

ABSTRACT OF THE DISCLOSURE

In a color-image pickup device, light is decomposed by R filters, G filters, B filters, and an infrared blocking film into R, G, and B components, and photoelectric conversion elements arranged in a light-reception area receive the R, G, and B components, and output R, G, and B picture signals. The relative reduction in the intensity of the R picture signal, which increases with the incident angle of the R component, is compensated for by relatively increasing the transmittance of the R component or the gain of the R picture signal, or setting light-reception efficiencies at the respective photoelectric conversion elements so as to relatively increase the light-reception efficiency of the R component, with an increase in the distance from the center of the light-reception area.